

# Dimitris Al Katsaprakakis

## List of Publications by Year in descending order

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32  
papers

933  
citations

394286

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434063

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g-index

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32  
docs citations

32  
times ranked

770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction of a wind powered pumped storage system in the isolated insular power system of Karpathosâ€“Kasos. <i>Applied Energy</i> , 2012, 97, 38-48.	5.1	103
2	Pumped storage systems introduction in isolated power production systems. <i>Renewable Energy</i> , 2008, 33, 467-490.	4.3	88
3	Technical details regarding the design, the construction and the operation ofÂ seawater pumped storage systems. <i>Energy</i> , 2013, 55, 619-630.	4.5	71
4	A review of the environmental and human impacts from wind parks. A case study for the Prefecture of Lasithi, Crete. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2850-2863.	8.2	67
5	Electricity supply on the island of Dia based on renewable energy sources (R.E.S.). <i>Applied Energy</i> , 2009, 86, 516-527.	5.1	53
6	Seawater pumped storage systems and offshore wind parks in islands with low onshore wind potential. A fundamental case study. <i>Energy</i> , 2014, 66, 470-486.	4.5	51
7	Hybrid power plants in non-interconnected insular systems. <i>Applied Energy</i> , 2016, 164, 268-283.	5.1	44
8	A hybrid power plant towards 100% energy autonomy for the island of Sifnos, Greece. Perspectives created from energy cooperatives. <i>Energy</i> , 2018, 161, 680-698.	4.5	42
9	Comparison of swimming pools alternative passive and active heating systems based on renewable energy sources in Southern Europe. <i>Energy</i> , 2015, 81, 738-753.	4.5	36
10	A Comprehensive Analysis of Wind Turbine Blade Damage. <i>Energies</i> , 2021, 14, 5974.	1.6	36
11	The exploitation of electricity production projects from Renewable Energy Sources for the social and economic development of remote communities. The case of Greece: An example to avoid. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 341-349.	8.2	28
12	Faroe Islands: Towards 100% R.E.S. penetration. <i>Renewable Energy</i> , 2019, 135, 473-484.	4.3	27
13	Dynamic modeling of combined concentrating solar tower and parabolic trough for increased day-to-day performance. <i>Applied Energy</i> , 2022, 323, 119450.	5.1	23
14	On the wind power rejection in the islands of Crete and Rhodes. <i>Wind Energy</i> , 2007, 10, 415-434.	1.9	22
15	A Power-Quality Measure. <i>IEEE Transactions on Power Delivery</i> , 2008, 23, 553-561.	2.9	22
16	Energy upgrading of buildings. A holistic approach for the Natural History Museum of Crete, Greece. <i>Renewable Energy</i> , 2017, 114, 1306-1332.	4.3	22
17	Comparing electricity storage technologies for small insular grids. <i>Applied Energy</i> , 2019, 251, 113332.	5.1	22
18	Working on Buildingsâ€™ Energy Performance Upgrade in Mediterranean Climate. <i>Energies</i> , 2020, 13, 2159.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Upgrading Energy Efficiency For School Buildings In Greece. <i>Procedia Environmental Sciences</i> , 2017, 38, 248-255.	1.3	20
20	Basic Principles, Most Common Computational Tools, and Capabilities for Building Energy and Urban Microclimate Simulations. <i>Energies</i> , 2021, 14, 6707.	1.6	18
21	Computational Simulation and Dimensioning of Solar-Combi Systems for Large-Size Sports Facilities: A Case Study for the Pancretan Stadium, Crete, Greece. <i>Energies</i> , 2020, 13, 2285.	1.6	17
22	Concentrating Solar Power Advances in Geometric Optics, Materials and System Integration. <i>Energies</i> , 2021, 14, 6229.	1.6	17
23	Potential on Energy Performance Upgrade of National Stadiums: A Case Study for the Pancretan Stadium, Crete, Greece. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1544.	1.3	16
24	Optimized Dimensioning and Operation Automation for a Solar-Combi System for Indoor Space Heating. A Case Study for a School Building in Crete. <i>Energies</i> , 2019, 12, 177.	1.6	15
25	Comparing electricity storage technologies for small insular grids. <i>Energy Procedia</i> , 2019, 159, 84-89.	1.8	9
26	Energy Performance of Buildings with Thermochromic Windows in Mediterranean Climates. <i>Energies</i> , 2021, 14, 6977.	1.6	9
27	Energy Transition on Sifnos: An Approach to Economic and Social Transition and Development. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2680.	1.3	9
28	A Multidisciplinary Approach for an Effective and Rational Energy Transition in Crete Island, Greece. <i>Energies</i> , 2022, 15, 3010.	1.6	9
29	Introducing a solar-combi system for hot water production and swimming pools heating in the Pancretan Stadium, Crete, Greece. <i>Energy Procedia</i> , 2019, 159, 174-179.	1.8	8
30	The feasibility of the introduction of natural gas into the electricity production system in the island of Crete (Greece). <i>Energy for Sustainable Development</i> , 2015, 27, 155-167.	2.0	6
31	Operation Algorithms and Computational Simulation of Physical Cooling and Heat Recovery for Indoor Space Conditioning. A Case Study for a Hydro Power Plant in Lugano, Switzerland. <i>Sustainability</i> , 2019, 11, 4574.	1.6	1
32	Wind Parks Design, Including Representative Case Studies. , 2021, , .		0